

Final Product Change Notification

202105006F01

Issue Date: 07-Jul-2021
Effective Date: 05-Oct-2021

Here's your personalized quality information concerning products Digi-Key purchased from Nexperia.
 For More details Please Contact your respective Nexperia CSR/AM.



Management Summary

Last phase of assembly and test transfer product types in SO14/16 and TSSOP14/16 packages from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ASEN (ASE Group, Plant Suzhou China)

Change Category

<input type="checkbox"/> Wafer Fab Process	<input checked="" type="checkbox"/> Assembly Process	<input checked="" type="checkbox"/> Product Marking	<input checked="" type="checkbox"/> Test Location	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input checked="" type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Process	<input type="checkbox"/> Errata
<input type="checkbox"/> Wafer Fab Location	<input checked="" type="checkbox"/> Assembly Location	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Electrical spec./Test coverage

Last phase of assembly and test transfer SO-TSSOP14/16 packages from ATBK to ASEN

Details of this Change

Last phase of assembly and test transfer product types in SO14/16 and TSSOP14/16 packages from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ASEN (ASE Group, Plant Suzhou China)

- No change in waferfab process or fab location
- No change in die (same electrical distribution)
- No change in datasheet and test limits
- No change in form, fit, function, quality or reliability anticipated

Qualification in accordance to the Automotive Electronics Council:
 - AEC-Q100-rev. H Stress Test Qualification for Integrated Circuits
 - AEC-Q006-rev. A Qualification requirements for Cu-wire interconnection

Please use the below link to access related documentation to this change notification
https://qcm.nexperia.com/change-notification-epcn/SQR_PCN-202105006F01_%20final.pdf

Why do we Implement this Change

- Last phase of transfer SO14/16 and TSSOP14/16 products into ASEN
- Create dual source capability

Identification of Affected Products

- The traceability is given by the assembly location indicator suffix which is indicated on the product topside marking and on the reel and box label, see remarks

Product Availability

Sample Information

Samples are available upon request

Samples are available upon request via Helpdesk+ from BG Analog & Logic ICs sample store in Nijmegen The Netherlands

Production

Planned first shipment 05-Oct-2021

Impact

- No change in form, fit, function, quality or reliability anticipated
- No change in die (same electrical distribution)
- No change in datasheet and test limits
- No change in ordering code 12NC's

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Not applicable, products will continue to be assembled in ATBK

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 06-Aug-2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Remarks

Assembly location indicator suffix on the product topside marking and on the reel and box label:

"X"= ASEN (ASE Group Assembly & Test Plant Suzhou China)

"n"= ATBK (NXP Semiconductors Assembly & Test Plant Bangkok, Thailand)

Contact and Support

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support team.

At Nexperia B.V. we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

About Nexperia B.V.

We at Nexperia are the efficiency semiconductor company. We deliver over 90 billion products a year and as such service thousands of global customers, both directly and through our extensive network of channel partners. We are at the heart of billions of electronic devices in the Automotive, Mobile, Industrial, Consumer, Computing, and Communication Infrastructure segments.

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Changed Orderable Part#	Changed Part 12NC
74HC4075D,653	933714190653
74HC40103D,653	933714730653
74HCT4075D,653	933714200653
HEF4020BT,653	933372730653
74HC4024D,653	933714410653
74HC7014D,118	935059840118